

**Project Report Of**

# **Chemestry lab**

**Chemistry Department Saurashtra University(Rajkot)**

**Developed By...**

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**Submitted To...**



**Re-Accredited  
Grade 'A' by NAAC**

**Department of Computer Science (MCA),  
Saurashtra University**

**7PVV+4M5,  
Saurashtra University Campus,  
Munjka,  
Rajkot, Gujarat 360001**

# Acknowledgement

We would like to thanks to Faculties specially **Prof. CKK sir** and **Prof. Atul Gonsai sir**, Department of Computer Science (M.C.A.), Rajkot for his valuable guidance and continual encouragement throughout the major project. We are heartily thankful to him for his time-to-time suggestions and the clarity of the concepts of the topic that helped me a lot during this project, we are also thankful to **Prof. CKK sir (H.O.D.)** for his continual kind words of encouragement and motivation throughout the Major Project.

We are thankful to all our faculty members of Department of Computer Science (M.C.A.), Rajkot for their special attention and suggestions towards the project work.

The blessings of God and our Family members make the way for completion of Major Project. We are very much grateful to them.

The friends, who always bear and motivate us throughout this course, we are thankful to them.

# Project Profile

<b>Definition</b>	:	<b>Chemistry epartment saurashtra university</b>
<b>Project Title</b>	:	<b>Chemistry Lab</b>
<b>Objective Of System</b>	:	<b>Administrative for chemical department</b>
<b>Project Team</b>	:	<b>5 Persons</b>
<b>Team Members</b>	:	<b>Roham Ajudiya Vishal Faldu Parth Mehta Dhava Vasvani Nehal Kankotiya</b>
<b>IDE / Code Editor</b>	:	<b>Sublime</b>
<b>Front End</b>	:	<b>HTML, CSS, JavaScript, Bootstrap</b>
<b>Back End</b>	:	<b>PHP and MySQL</b>
<b>OS Requirements</b>	:	<b>Basic Configuration</b>
<b>Doc. Prepared In</b>	:	<b>MS Word 2019</b>
<b>Guided By</b>	:	<b>Prof. Atul Gonsai</b>
<b>Submitted To</b>	:	<b>Department of Computer Science, Rajkot</b>

# Abstract

- **Problems**

- In the department there was manually working on the paper but now a days with the growing technology we have created computer base system.

- **Solutions**

-The Main aim was to create the computer based and to helpful for the faculty and the department to make a record safe and secure & they can easy get the main record for the finance work too..

## Introduction

### “Chemistry Lab..”

This project is a part of a solution for the Faculty of Department of Chemistry.

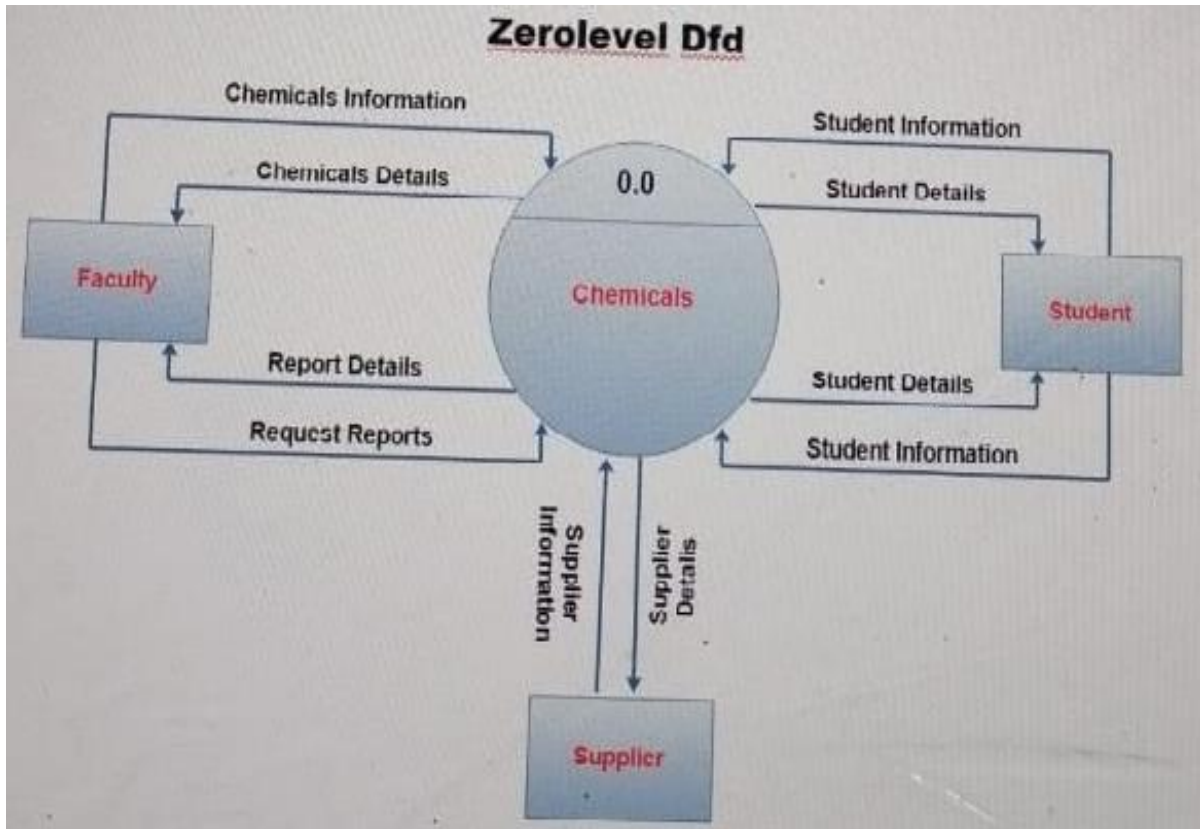
This project helps patients who urgently need blood so that they can get blood on this platform and they can also donate blood for other help.

The basic structure of an app is first users have to register in this portal so that they can request blood and also donate to those who need it.

# Project Requirement

<b>Platform</b>	Web Application
<b>Tech stack</b>	Python Flask, MySQL, Azure.
<b>Azure services</b>	Azure Database for MySQL flexible server, Azure blob storage, Azure app service.
<b>Hardware</b>	1GB or more of RAM
<b>Database</b>	MySQL
<b>Internet Connection</b>	Required

# Data Flow Diagrams



# Data Dictionary

- Admindata

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	<b>id</b>	int			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/> 2	<b>fname</b>	varchar(50)	latin1_swedish_ci		No	None			Change  Drop  More
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- Chemicals

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<input type="checkbox"/> 3	<b>facultyname</b>	varchar(15)	latin1_swedish_ci		No	None			Change  Drop  More
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<input type="checkbox"/> 7	<b>qty</b>	int			No	None			Change  Drop  More
<input type="checkbox"/> 8	<b>unitsign</b>	varchar(11)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/> 9	<b>unit</b>	int			No	None			Change  Drop  More
<input type="checkbox"/> 10	<b>price</b>	int			No	None			Change  Drop  More
<input type="checkbox"/> 11	<b>supplier</b>	varchar(50)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/> 12	<b>dateIn</b>	varchar(50)	latin1_swedish_ci		No	None			Change  Drop  More
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- Logs

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- Report

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- Students

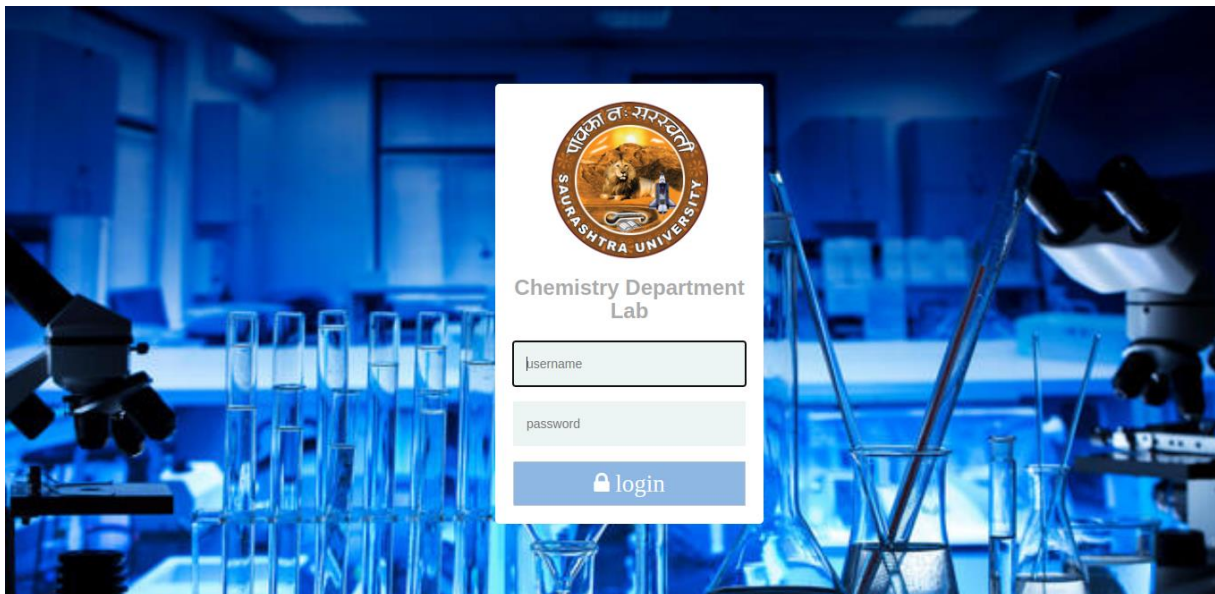
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- Supplier

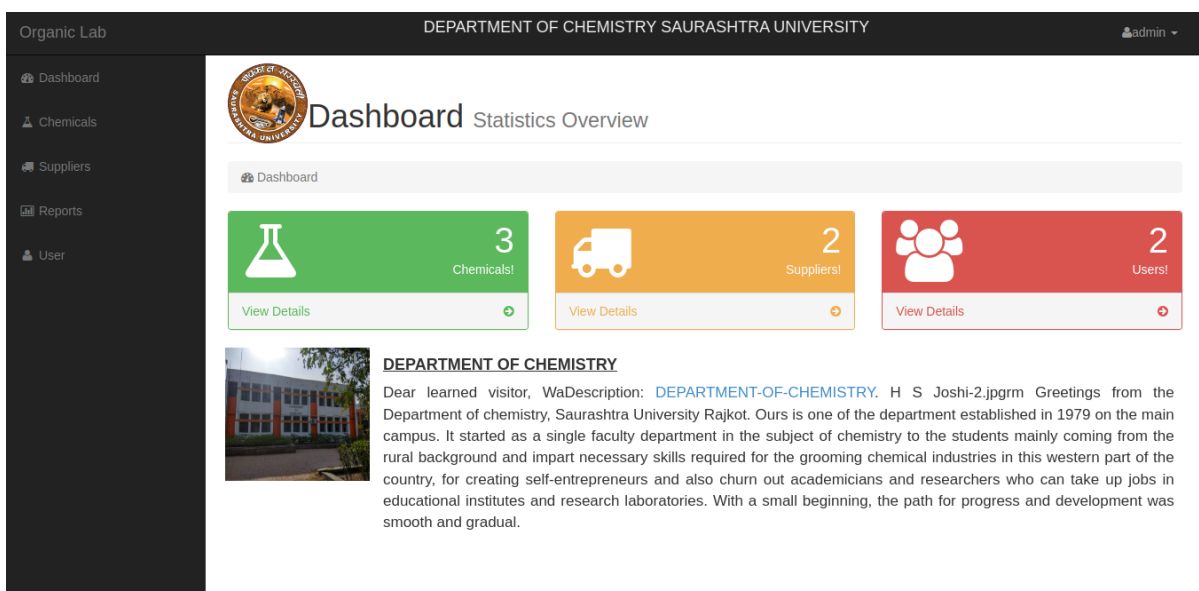
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# Screen Shots

- Admin



- Dashbord



- Chemical Detail

Organic Lab

DEPARTMENT OF CHEMISTRY SAURASHTRA UNIVERSITY

admin


Dashboard

Chemicals

Suppliers

Reports

User



# Chemicals

Add New

To Give

Dashboard

Chemical Name	Total Qty	Capacity ml/gm	Name Of The Distributer	Company Name
Chemical 104	247	2476 ML	atulbhai	marce
Chemical 104	49	2476 ML	raj bhai	Marce
Cho4	9	96 ML	raj bhai	Marce

- Add Chemical

## Add Chemical

---

Chemical Name *		
Company Name *		
FacultyName *		
Description *		
<div>Maximum Character only 250</div>		
One Bottle Quantity *	1	ML ▾
Total Number of Bottle *	1	
One Bottle Price *		
Supplier *		

---

Cancel

Save

- To Give Chemical

## To Give Chemical

Student Name \*

Chemical Name \*

Lab Name \*

FacultyName \*

Description:

Maximum Character only 250

Quantity \*

1

ML ▼

Cancel

Save

- Supplier

Organic Lab

Dashboard

Chemicals

Suppliers

Reports

User

admin

DEPARTMENT OF CHEMISTRY

SAURASHTRA UNIVERSITY

Suppliers

Dashboard

Supplier

Supplier Name	Chemical Name	Company	Total Amount	Date
Mohan Bhai	Cho 4	Marsh	100₹	13 - 10 - 2022 09:59 AM
Mohan Bhai	Cho 4	Marsh	400₹	13 - 10 - 2022 10:04 AM

- Report

Organic Lab

Dashboard

Chemicals


Suppliers

Reports

User

DEPARTMENT OF CHEMISTRY SAURASHTRA UNIVERSITY

admin



Reports

Dashboard / Reports

From05/10/2022

To13/10/2022

Show data from

Chemicals

Submit

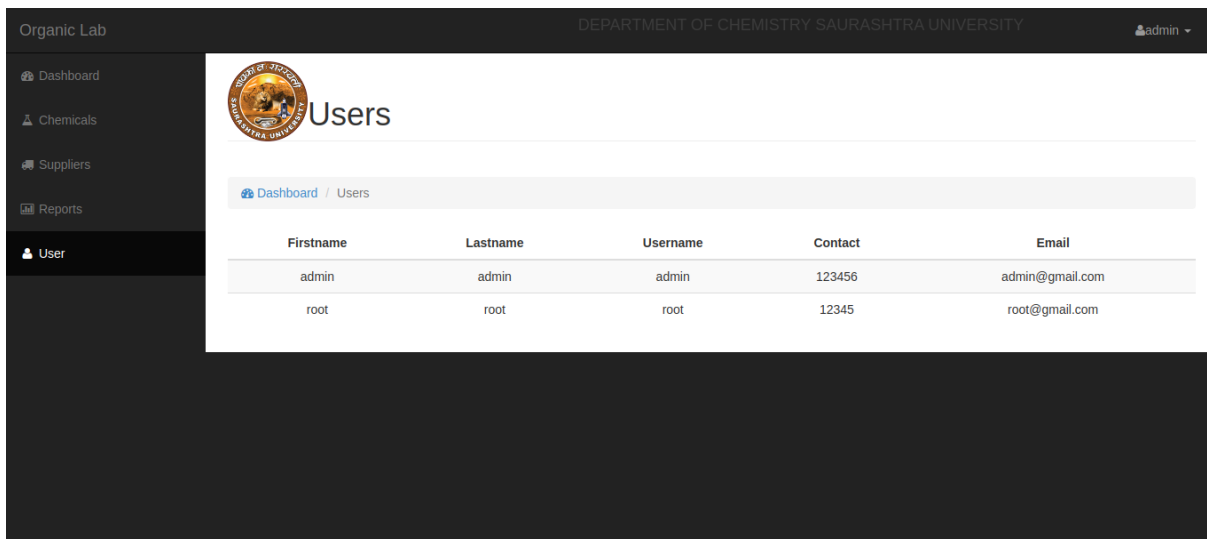
REPORTS: CHEMICALS

View Full Report

Chemical Name	Quantity	Unit	Stock In	Stock Updated
Chemical 104	2476	50 grams	08 - 10 - 2022 01:09 AM	

- Blood Request

- User



Organic Lab

DEPARTMENT OF CHEMISTRY SAURASHTRA UNIVERSITY

admin

## Users

Dashboard / Users

Firstname	Lastname	Username	Contact	Email
admin	admin	admin	123456	admin@gmail.com
root	root	root	12345	root@gmail.com

## Future working on an opportunity area

- We can add a real-time notification, SMS services send to all the registered donors whenever request blood.
- We can also make mobile app for better accessibility.
- We can expand this service each and every small town, city or forest.
- We can also add other donation options like plasma donation.

# Sources

## ● Books

- Flask Web Development: Developing Web Applications with Python by Miguel Grinberg
- Python API Development Fundamentals: Develop a Full-stack Web Application with Python and Flask by Ray Chung
- Learning MySQL by Seyed M. M. Tahaghoghi
- Learn Azure in a Month of Lunches by Iain Foulds

## ● Websites

- [www.medium.com](http://www.medium.com)
- [www.stackoverflow.com](http://www.stackoverflow.com)
- [www.youtube.com](http://www.youtube.com)
- [www.flask.palletsprojects.com](http://www.flask.palletsprojects.com)
- [www.quera.com](http://www.quera.com)
- [www.mysql.com](http://www.mysql.com)